WORLD POSSIBLE

RACHEL-Plus -- QUICK START GUIDE

Table of Contents:

Connecting Offline Learners to the World's Knowledge

Support available at
http://community.worldpossible.org

Before Starting:

This document was last updated 04/13/2022

WARNING: Shutting Down

- **When turning off this device DO NOT hold the power button down.**

- **To safely shut down the device, and avoid potential damage, tap the power button 1 time and release, then wait 30 seconds for the device to properly shut down.**

WARNING: Shipping, handling, and operation

- **This device contains sensitive components. You must be especially careful when shipping, carrying, or packaging this device.**

- **Do not operate or move the device while it is turned on.**

WARNING: Battery Safety

- **Regularly discharge the battery by disconnecting the A/C power and operating the device on battery power only.**

- **Do not charge the device for extended periods of time without discharging the battery. Even if the battery charge level is less than 100%, the battery must be regularly discharged.**

Getting Started:

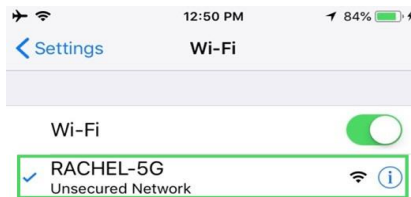Push and hold down RACHEL's on button for **10 seconds** or until the blue dot turns on.

The small blue dot will illuminate for **30 seconds** until RACHEL activates.
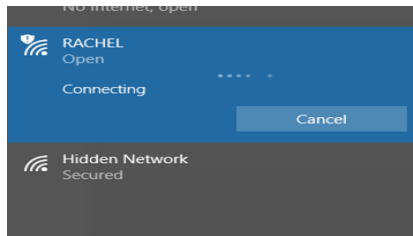
When booted, RACHEL's Wi-Fi signal light will flash slowly, you can now connect to the RACHEL wireless signal from your computer. It can take **3 minutes after flashing for all content to be ready!**
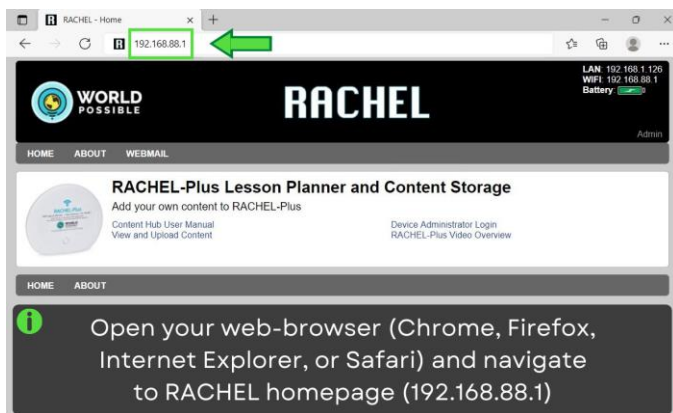

RACHEL-Plus
WiFi Signal: RACHEL / Web Address: 192.168.88.1
Avoid shocks or vibrations while powered on.
Turn device off after use and discharge battery regularly.

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Wait for the Wi-Fi light to turn Blue

Use your computer, tablet, laptop, or phone's Wi-Fi to connect to RACHEL-5G (preferred), or RACHEL, Wi-Fi signals.

12:50 PM   84%

Settings   **Wi-Fi**

Wi-Fi

RACHEL-5G
Unsecured Network

OR

No internet, open

RACHEL
Open

Connecting

Cancel

Hidden Network
Secured

Open your web-browser (Chrome, Firefox, Internet Explorer, or Safari) and navigate to the RACHEL homepage at 192.168.88.1 From here you can access all of your RACHEL's content

Uploading Content:

Navigate to 192.168.88.1:8090 or click "View and Upload Content"
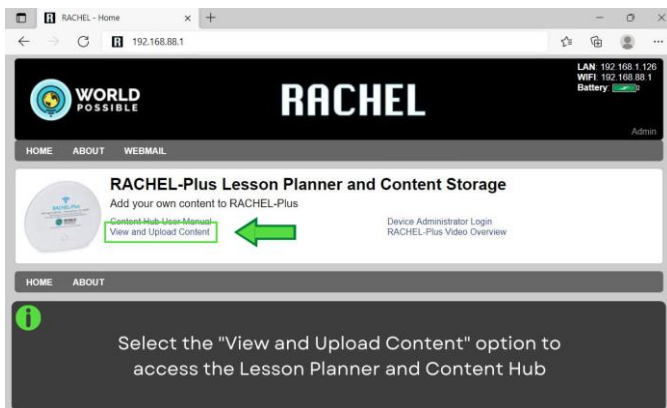
Log in with username/password admin/Rachel+1
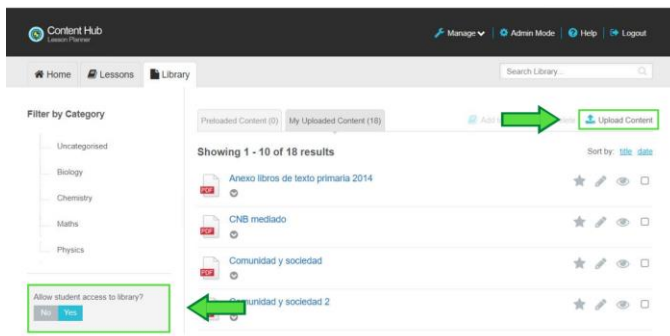
To edit the Content Hub's content, Select the "Login" button and use credentials admin/Rachel+1

Select "Admin Mode" at the top and click upload content to add your own content to Content Hub

Here, a teacher can upload content for students to view

Admin Duties

Click Admin to access the admin login page
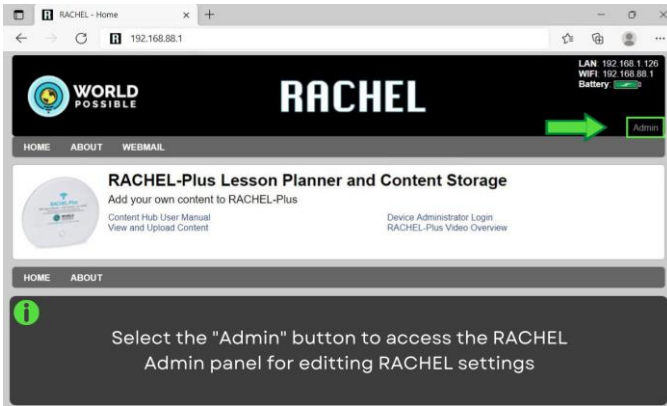
Enter the lowercase username "admin" and Password "Rachel+1", then press "Login" to log into the admin interface

On the Modules tab, you can sort, hide, or rearrange the modules on your device, so that other users can or cannot see content when they go to the RACHEL homepage. Click Save when finished.

On the Hardware tab, you can view available storage, and shutdown the device. Select **Advance Hardware Control** to turn Internet Off and assess networking security settings.

For advance users - You can also increase security by reviewing the Wireless setting. You can set MAC addresses of your computers to access only into RACHEL.

Module Upload - It may be easier to bring new modules on a hard drive or laptop with you. Here you can upload new modules to RACHEL. We can also use this feature to run fixes or scripts sent to you by World Possible

Powering Down the RACHEL-Plus - To properly power down the device, simply tap the power button 1 time and immediately release. The RACHEL-Plus may take a few moments to fully power down but powering it down this way will ensure the longevity of the device.

DataPost

In 2021 World Possible released DataPost as a quick and easy way to get information to and from your RACHEL device without needing to put RACHEL on the internet. Anyone traveling to your RACHEL device with an Android Phone can serve as a digital mail courier, bringing new e-mails to RACHEL and picking up outgoing e-mails from the device. Included automatically in outgoing emails are usage logs of your RACHEL device that send to World Possible so we can analyze and display usage data.

Requirements:

- RACHEL-Plus 4.0 purchased in 2022 with a DataPost sticker

- Android Phone running Android 9.x or newer

- Latest DataPost app on your Android Phone

  (http://community.worldpossible.org/t/latest-android-apk-file/1646)

- Patience – this feature is in testing (beta) mode

Usage Data Collection with DataPost:

1. Download the DataPost app to your android phone

2. Connect your android phone to the RACHEL Wi-Fi Signal

3. Open the DataPost app on your android phone and press Sync with RACHEL

4. Return with your android phone to a place with internet or data connectivity, open the DataPost app and click Sync with Internet
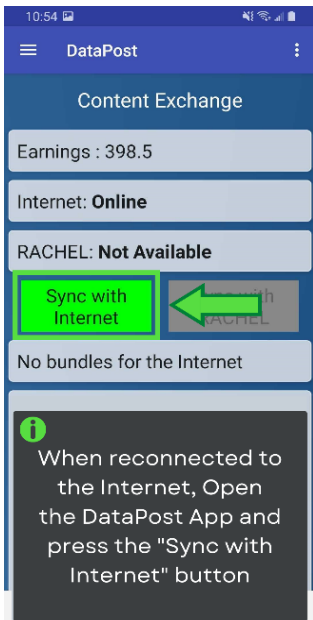
Email Communication with DataPost:

Individual users of RACHEL can also use an e-mail account on RACHEL to send and receive e-mails. The e-mails will only be delivered when a DataPost courier picks up the bundle from RACHEL and delivers it to the internet or vice-versa. RACHEL comes preloaded with 25 email accounts (user1, user2, … user25) all with the password of: password
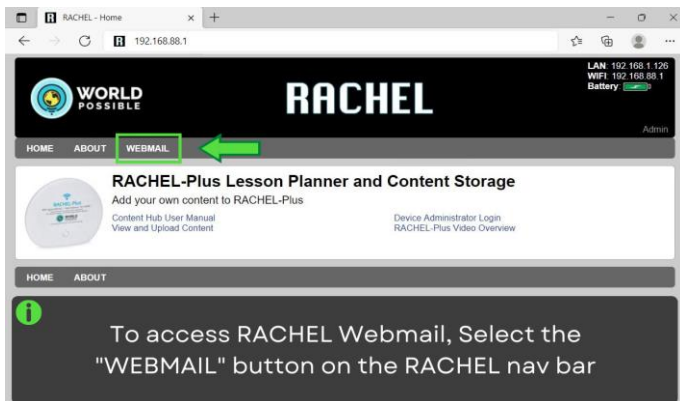
They can address e-mails to any e-mail account on earth. If you are a project sponsor, you can send an e-mail to them from your Gmail or any other email service you use.

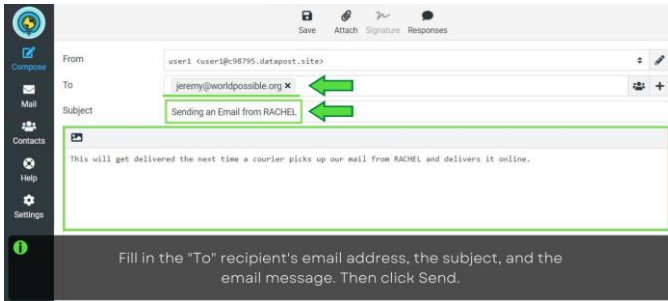The end of their email address (the domain) is assigned by RACHEL device using a six-digit code that matches the RACHEL MAC ID.

For instance, user1@AB12CD.datapost.site where AB12CD changes based on each RACHEL device.

When using the app to pick up a bundle of e-mails from the internet destined for RACHEL, the android phone user **must first have picked up a bundle from RACHEL and delivered it to the Internet.** This process ensures the android phone user at one point had physical access to the RACHEL device and can be trusted to carry e-mails.

While your android phone is connected to the internet, open the DataPost app and Sync with Internet. If you have access to any RACHEL devices that have data needs, they will appear in a list.
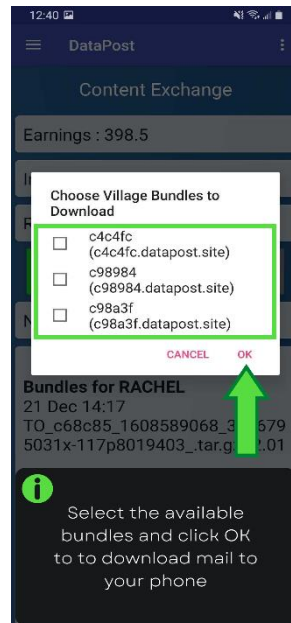
DO NOT DOWNLOAD DATA IF YOU DO NOT INTEND TO DELIVER IT TO THE CORRECT RACHEL. DATA WILL BE LOST AND WILL NOT DELIVER TO THE WRONG RACHEL.

DataPost will also upload usage data from your RACHEL device to a website where anyone can view key anonymous usage statistics from your device

https://datapost.site:4001/map.html

http://datapost.site:3010/single?subdomain=c9895f

Rachel Information for c9895f

Description :

Location :12.1518,-86.2711

Last Delivery : Mon Apr 04 2022 14:22:39 GMT+0000 (Coordinated Universal Time)

Number of unique client devices connected to this RACHEL: 246
Mb of data shared from RACHEL to local users: 58769.153528 Mb
Cash value of data shared ($0.1/Mb): $5,876.92
Total page visits on RACHEL: 152114

First Delivery : Thu Nov 25 2021 19:21:35 GMT+0000 (Coordinated Universal Time)
Number of deliveries : 5

More Info

Share your experiences deploying RACHEL